

# **METALFORM**

**MASTERS OF METAL**

**EBE AF Doors and EI 60 Fixed Panels**

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## Galvanized Steel

### EBE AF Doors and EI 60 Fixed Panels

Supply and installation of doors, windows, and facades, in fixed and openable sashes, for inward opening doors, built with thermal break profiles Secco Sistemi EBE AF, with fire-resistant characteristics EI 60.

**Material:** Galvanized steel

#### Frame Construction:

- Seamless joining of two metal shells (one whole and one external)
- Fire-resistant thermoplastic extrudate integral to the parts by high-density fire-resistant resin
- Calcium silicate slats fill recesses for fire resistance

#### Metal Shells:

- Cold-rolling profiling strips of steel, thickness 15/10
- Hot-dip galvanized "Sendzimir system" skin passed finish (FeP02 GZ 200), zinc coating  $\geq 200$  gr/sqm (UNI EN 10142/3/7 and EURONORM 143 standards)

#### Assembly:

- Continuous welding of contact surfaces

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- Grinding and restoration of surface finish

## **Minimally Visible Section:**

- Fixed side node: 72 mm
- Opening side node: 94 mm
- Central node: 156 mm for two sashes

## **Mandatory Depth:**

- EBE65: 65 mm
- EBE75: 73.5 mm

**Coplanarity:** Internal and external

## **Sealing:**

- Closed-joint, two-level, water/air/wind-resistant silicone seals at profile rebate
- Automatic air and water-tight guillotine with fire-resistant EPDM gasket below
- 2 mm thick intumescent gasket on both sides of the thermal break

**Windows and Doors:** Complete with glass or solid panels

- Positioned using calcium silicate supports
- Fixed with snap-on glazing beads using special bushings

**Glass/Panel Sealing:** Internal and external ceramic gaskets

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**External Doors Sealing:** Fire-resistant sealant to protect ceramic gasket

**Insulation:** 30 mm thick rock wool between supporting structure and doors/panels

**Outward Opening Doors:** Joint sealed with fire-resistant silicone

**Hinges:** Screw-on hinges (adjustable in number) with stainless steel hinge bolts

**Surface Finish:** Painted pickled steel, oxidized

- Varnished with powder at 180°C for 25 minutes in a furnace

**Handles:** Available in various shapes, materials, and finishes, including stainless steel.

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MASTERS OF METAL

**UNITED KINGDOM**

**METALFORM**

**NORWAYMETAL LTD**

53 Chelsea Manor Street

London, SW3 5RZ

**SALES@METALFORM.UK**

**+44 20 81298814**

**GERMANY**

**METALFORM GMBH**

Carl-Zeiss-Ring 15A

85737 Ismaning

**SALES@METALFORMGROUP.DE**

**+49 17663630406**

**NORWAY**

**METALFORM AS**

Brochmannsveien 2

1950 Rømskog

**SALG@METALFORM.NO**

**+47 401 62 446**

**METALFORMGROUP**

**SALES@METALFORMGROUP.COM**